Portable HD Car DVR

User Manual

Thank you for choosing our HD720P Car DVR. Please read this user manual carefully before operating the device.

Product Image and Feature Identification.

01. Up (Zoom in)	05. Lens	09. ON/OFF	13. Reset
02. Menu	06. Speaker	10. LCD Screen	14. Microphone
03. Down (Zoom out)	07. REC/OK	11. Micro SD card slot	
04. Mini USB	08. Mode (video lock)	12. Holder socket	

For the power capacity in the battery, refer to the following icons:

Full Middle Low

1. Connect device to car adaptor through Mini-USB port, device will power on automatically & enter standby mode and start charging with green indicator light ON.

Once device has been fully charged, red indicator light goes out.

2. Connect device to PC via USB cable, device will power on automatically. Choose between and 'Mass Storage (MSDC)' mode or 'PC-Cam', by pressing 'UP'/'DOWN' and confirm by pushing 'OK' button and start charging.

Once device has been fully charged, red indicator light goes out.

Installation and Removal of micro SD card

1. In the direction as indicated, insert the micro SD card into the slot until it is held firmly.
2. To take the micro SD card out, slightly press the micro SD card to eject it.

[Note]:

1. Observe the direction to insert the micro SD card; if the direction is wrong, the device and/or the micro SD card may be damaged.
2. When the micro SD card is inserted into the device, the machine will set the micro SD card as preset storage.
3. If the micro SD card is incompatible with the device, please insert the card again or replace it for retry.
4. **PLEASE USE 8GB-32GB/CLASS 10 (C10) MICRO SD CARDS ONLY.**
5. Please insert the micro SD card ONLY when device is OFF.

Operation Instructions

Turn ON/OFF Device

1. Press the power key for 1 second to switch ON and hold for 3 seconds to switch OFF device manually.

2. Connect the device with car charger in the car. When car engine starts up, device will be switched ON automatically. When car engine shuts off or car charger been disconnected, device switches OFF with 10 seconds delay (as per setting).

How to Enter System Setup

In Video or Photo mode, press the Menu key-UP/DOWN key-REC/OK key to enter the System Setup:

- Date/Time: You may set date/time.
- Auto Power off: off/1 minute/3 minutes. To power off DVR automatically if DVR is not recording.
- Beep sound: on/off. To turn on/off the sound of pressing buttons.
- Language: You may set the desired OSD language menu.
- Backlight (Power save): Off/3 min. /5 min. /10 min. To shut off the LCD screen automatically during video recording.
- TV Mode: PAL/NTSC
- Power Frequency: 50Hz/60Hz
- Format: Format the memory card.
- Default settings: Cancel/OK
- Version: Firmware version number.

Take Video and Set Video Menu

1. Take video

After powered ON, device enters Video Mode as default, with icon displaying at the upper-left corner of screen. Press the 'REC/OK' key to start video recording after proper Micro SD card been inserted. During recording, the red icon flashes.

[Note]

- When the device is mounted on the windshield with car charger connected, it will power ON and start recording automatically once car engine starts up.
- During charging with car charger connected, it supports simultaneous recording.
- During recording, press 'MODE' button to lock and protect the current video from recycling (it's called 'SOS' function).

2. Set Video Menu

Press the Menu key to enter the setup of video options

- Resolution: 1920x1080@25fps; Default 1280x720@30fps.
- Loop recording: Off/1 min. /2 min. /3 min. To record, store and recycle the video file by 1/2/3 minutes per section.
- Exposure: -2.0 -5/3 -4/3 -1.0 -2/3 -1/3 +0.0 +1/3 +2/3 +1.0 +4/3 +5/3 +2.0
- Motion detection: On/Off. When car is parked and motion detection turned On, DVR will detect moving objects in front of car and trigger recording automatically, or stay at standby state if there's no object moving.
- Record Audio: On/Off. Choose to record the video with audio, or record video without any sound.
- Date Stamp: On/Off.
- G-Sensor: Off/1G/2G. Once G-sensor turned ON to 1G or 2G and triggered, there's an icon of 'lock' appearing on LCD screen and current video file will be locked as important file. Such locked files won't be recycled by loop recording function.

Take Photo and Set Photo Menu

1. Take Photos

Press the power key to enter the video mode as default; press the Mode key to enter the Photo mode with icon displaying on the upper-left corner of the screen. Then, hold the device firmly, then press REC/OK key to take photos. Photos will be stored into memory card automatically.

2. Set Photo Menu

During photo mode, press MENU and REC/OK key to enter photo menu settings.

- Capture Mode: Single/2S Timer /5S Timer /10S Timer

- Resolution:12M(4032x3024)/10M(3648x2736)/8M(3264x2448)/5M(2592x1944)/3M(2048x1536) /2M/1.3M/VGA
- Sequence: On/Off.
- Metering: Center-weighted/Average/Spot
- Sharpness: Strong/Normal/Soft
- White balance: Auto/Daylight/Cloudy/Tungsten/Fluorescent
- Exposure: -2.0/-5/3/-4/3/-1.0/-2/3/-1/3/+0.0/+1/3/+2/3/+1.0/+4/3/+5/3/+2.0
- Quick Review: Off/2s/5s.
- Date stamp: Off/Date/(Date/Time)

Playback Mode

1. Browse files

After the device powers ON and enters the VIDEO mode, press the mode key twice to enter the PLAYBACK mode, press the UP/DOWN key to browse the video files or Photo files.

In the playback mode, press the UP/DOWN key to choose the photo or video to be previewed; the icon appearing on the left upper corner indicates video files while as image files. Press the OK key to play the video.

2. Delete

In playback mode, press the Menu button to have the Delete/Protect/Slide Show options appearing. Choose Delete and press the OK key to enter submenu 'Delete the current' or 'Delete all files' on the memory card.

[Note] The important video files that have been locked by G-sensor or Emergent key can't be deleted.

3. Protect

In playback mode, press the Menu button to have the Delete/Protect/Slide Show options appearing. Choose Protect and press the OK key to display Lock the current, Unlock the current, Lock all and Unlock all. The locked file cannot be deleted (except formatting). Note: The G-Sensor locked file may be deleted via menu unlocking.

Connection to PC via USB Cable

1. USB Backup Mode (MSDC)

You can upload your videos and pictures to your computer by using the provided mini-USB cable. Make the connection while DVR is powered off and the display will show 2 options: MSDC / PC-CAM. MSDC = upload to computer, Highlight the MSDC by using the UP/DOWN keys and press REC/OK key to enter your choice. Your computer should now unload all photos and videos.

[NOTE] To watch recorded videos, please transfer videos from memory card to the computer.

2. PC-CAM

Connect the device to computer while DVR is powered off and the display will show 2 options: MSDC / PC-CAM. PC-CAM = use the DVR as a web camera. Highlight the PC-CAM by using the UP/DOWN keys and press REC/OK key to enter your choice. You are now able to video chat with friends on Skype or Messenger.

Reset

Improper operation or incorrect memory card can cause DVR to freeze. Please press the RESET hole on the bottom side of DVR to power OFF the DVR. Power ON DVR manually and DVR will automatically restore the factory default settings.

Technical Specifications

Screen size	1.5" TFT-LCD
Lens	92° A+ class glass lens
OSD language	Multi languages
Video resolution	1920x1080@25fps/ Default 1280x720@30fps
Video format	AVI (MJPEG)
Photo size	12M/10M/8M/5M/3M/2M/1.3M/VGA

Photo format	JPG
Memory card	Micro-SD card, support from 8GB-32GB/C6-C10
Microphone/Speaker	Built-in
Light frequency	50Hz/60Hz
USB port	USB 2.0
Power supply	DC12V-24V adapts to 5V/500mA
Battery	3.7V / 200 mAh
Operation system	Windows 2000/XP/Vista/Win 7/Win 8,MAC OSX 10.3.6 or above

Note: We do our best to reflect accurate specifications above, however periodic updates and changes may occur after this manual was printed. We reserve the right to change the parameters without prior notification.

Warning

- Lithium battery inside!
- Do not try to open the product!
- Do not expose to heat, water, moisture, direct sunlight!
- Only charge with the original adaptor supplied with this product!

CAUTION!

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CE

Electric and electronic equipment and included batteries contains materials, components and substances that can be hazardous to your health and the environment, if the waste material (discarded electric and electronic equipment and batteries) is not handled correctly.

Electric and electronic equipment and batteries is marked with the crossed out trash can symbol, seen below. This symbol signifies that electric and electronic equipment and batteries should not be disposed of with other household waste, but should be disposed of separately.

As the end user it is important that you submit your used batteries to the approriate and designated facility. In this manner you make sure that the batteries are recycled in accordance with legislature and will not harm the environment.

All cities have established collection points, where electric and electronic equipment and batteries can either be submitted free of charge at recycling stations and other collection sites, or be collected from the households. Additional information is available at the technical department of your city.

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